

Patent Abstracts of Japan

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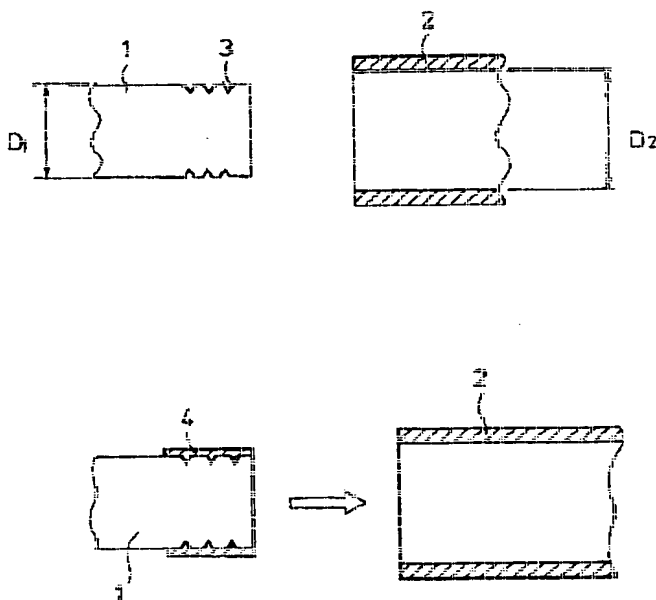
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TITLE : METHOD FOR CONNECTING
FLUORINE RESIN



ABSTRACT : PURPOSE: To eliminate coating irregularity of adhesive and air reservoir of an adhered part by providing a groove on a connecting surface of a rod member, inserting the member supplied with the adhesive to the connecting surface into a thermally expanded tube member, cooling the member, then shrink fitting both the members, and then curing the adhesive.

CONSTITUTION: An outer diameter D_1 of a rod member 1 made of fluorine resin is larger than an inner diameter D_2 of a tube member 2. The member 2 is heated to be expanded to $D_1 < D_2$. On the other hand, before the member 1 is inserted to the member 2, a connecting surface of the member 1 formed with a groove 3 is previously coated with adhesive 4. After the member 1 is inserted into the tube 2, the member 2 is cooled to the vicinity of the ambient temperature, the member 1 and the member 2 are shrink fitted, and then the adhesive 4 is cured in an oven to connect the member 1 to the member 2. Thus, the adhesive can rigidly connect the connecting parts of both the members.

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